

Amendments to the Specification:

Please replace the first paragraph on page 5 with the following amended paragraph:

With reference now to the drawings, a hands-free dental and surgical light system 10 forming a first embodiment of the present invention will be described. The light system 10 includes a light 12 mounted to a pair of optical loupes or safety glasses 14 worn by the dentist or surgeon, which commonly include magnifying loupes 60. As will be described in greater detail, the operator can turn the light 12 on and off and dim or brighten the light 12 by simply moving their head so that either a first infrared sensitive receiver such as infrared sensitive switch 16 or a second infrared sensitive receiver such as infrared sensitive switch 18 points to a remotely located infrared source 20 to activate the selected switch. This allows the operator to dim and turn the light on and off without using their hands or being distracted from the particular operation being undertaken.-

Please replace the last paragraph on page 8 with the following amended paragraph:

Among the benefits of the light system 10 ~~is~~ are higher productivity and speed while maintaining a sterile field. This allows the operator much longer working time when using light sensitive materials in the dimmed mode. Energy savings are realized as the light need only be on when needed. An unlimited variety of electrical devices can be controlled by the system 10, including chair position. The light and power supply stays with the operator so the costs of equipping multiple treatment rooms ~~is~~ are eliminated.

Please replace the paragraph on page 9 with the following amended paragraph:

While one embodiment of the invention has been illustrated in the accompanying drawings and described in the foregoing Detailed Description, it will be understood that the invention is not limited to the embodiment disclosed, but is capable of numerous rearrangements, modifications and substitutions of parts and elements without departing from the spirit and scope of the invention. For example, a simplified version, without encoding, and decoding, can be used to only control operating the head light off to on, or ~~light bright~~ bright to dim.